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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit	: 2817	**Customer No.: 26794**
Examiner	: Khanh V Nguyen	
Serial No.	: 10/685,264	Confirmation No.: 4022
Filed	: October 14, 2003	
Inventors	: Robert Ian Gresham	
	: Ratana Wohlert	
	: Alan Jenkins Groton	Docket No.: 18107 [TYC-03-1286]
Title	: METHOD AND APPARATUS	
	: FOR A LOW NOISE AMPLIFIER	Dated: February 25, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Certificate of Mailing Under 37 CFR 1.8

For

Postcards (2)
Information Disclosure Statement
Form PTO-1449 w/copy of 10 publications
Copy of International Search Report dated February 9, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

Name of Applicant, Assignee, Applicant's Attorney
or Registered Representative:

DLA Piper Rudnick Gray Cary US LLP
Customer No. 035811

By: _____

Date: 2/25/05

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FEB 28 2005
PATENT & TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Applicants submit herewith Form PTO-1449 together with a copy of the publications listed therein. A copy of the International Search Report dated February 9, 2005 is also enclosed. The documents are submitted to comply with 37 C.F.R. §1.56. The enclosed publications are believed related in view of their mention in the Search Report for the reasons stated.

Applicants certify that each item of information contained in the Information Disclosure Statement was first cited in any communication from any foreign patent office in a counterpart foreign application not more than three months ago.

The Applicants respectfully request that this Information Disclosure Statement be officially entered into the file and that appropriate notification be made that it was considered by the Examiner.

Respectfully submitted,

Darius C. Gambino
Reg. No. 41,472
Attorney for Applicant(s)

DCG:pam
(215) 656-3309

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 18107 [TYC-03-1286]	SERIAL NO. 10/685,264
	APPLICANT Robert Ian Gresham et al.	
LIST OF PRIOR ART CITED BY APPLICANT *(Use several sheets if necessary)*	FILING DATE October 14, 2003	GROUP 2817

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,614,915	09/30/86	Heston et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	AL	61181208	08/13/86	Japan			Abstract Only	
	AM	0 463 377 A1	01/02/92	EP				x
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	R.J. Yarema, T. Zimmerman, W. Williams, M. Binkley, T. Huffman, R. Wagner, "A HIGH PERFORMANCE MULTI-CHANNEL PREAMPLIFIER ASIC," February, 1992, pp. 616-620, IEEE, Fermi National Accelerator Laboratory, P.O. Box 500, Batavia, IL 60510
	AS	Wei Meng Lim, Manh Anh Do, Jian Guo Ma and Kiat Seng Yeo, "A BROADBAND CMOS LNA FOR WLAN APPLICATIONS," April, 2003, IEEE, School of Electrical and Electronic Engineering, Nanyang Technological University Singapore 639798
	AT	A.H. Ching, G.R. Branner and D.G. Thomas, Jr., "REDUCED-SIZE LOW NOISE-LOW POWER CONSUMPTION AMPLIFIER DESIGNS FOR COMMUNICATIONS AND RF APPLICATIONS," April, 1997, 1379-1382, IEEE, Department of Electrical and Computer Engineering, University of California, Davis, CA 95616

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 18107 [TYC-03-1286]	SERIAL NO. 10/685,264
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AU						
	AV						
	AW						
	AX						
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	AZ						
	BA						
	BB						
	BC						
	BD						
	BE						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	BF							
	BG							
	BH							
	BI							
	BJ							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BK	S.L.G. Chu, R. Wohlert, G. Jackson, M. Adlerstein, J.B. Cole, M. Zaitlin, "A Ka-band HBT Two-stage LNA," March, 1994, pp. 307-310, IEEE, Raytheon Company, Research Division, 131 Spring Street, Lexington, Massachusetts, 02173
	BL	Donald G. Thomas, Jr., G.R. Branner, DESIGN OF LOW-NOISE RF/MICROWAVE AMPLIFIERS FOR COMMUNICATION SYSTEMS REQUIRING VERY LOW POWER CONSUMPTION," April, 1996, pp. 1007-1010, IEEE, Department of Electrical and Computer Engineering, University of California, Davis, California, 95616
	BM	Jeffrey A. Lester, W.L. Jones, P.D. Chow, "HIGH PERFORMANCE MMIC 20 GH_Z LNA AND 44 GH_Z POWER AMPLIFIER USING PLANAR-DOPED InGaAs HEMTs," April, 1991, pp. 433-436, IEEE, TRW Electronic Systems Group, Redondo Beach, California

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	BN						
	BO						
	BP						
	BQ						
	BR						
	BS						
	BT						
	BU						
	BV						
	BW						
	BX						

FOREIGN PATENT DOCUMENTS

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	BY							
	BZ							
	CA							
	CB							
	CC							

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	CD	P. Roux, Y. Baeyens, V. Houtsma, A. Leven, J. Weiner, A. Benz, Y.K. Chen, "Single ended to Differential MHEMT Transimpedance Amplifier with 66 dB-Ω differential Transimpedance and 50 GHz Bandwidth," January, 2003, WE5D-6, pp. 1193-1196, IEEE, Lucent Technologies, Bell Laboratories, 16 Av. Descartes, 92352 Le Plessis Robinson, France, 600 Mountain Avenue, Murray-hill, New Jersey, 07974, Optical Networking Group, Nuremberg, Germany
	CE	
	CF	

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